

CLAIMS

1. In a laminated glass having an interlayer film between at least two transparent glass platy bodies, the laminated glass being characterized in that functional ultra-fine particles of a particle diameter of not greater than $0.2\mu\text{m}$ are dispersed in the interlayer film, that the functional ultra-fine particles comprise a single substance of metal, oxide, nitride, sulfide or Sb- or F-doped substance of Sn, Ti, Si, Zn, Zr, Fe, Al, Cr, Co, Ce, In, Ni, Ag, Cu, Pt, Mn, Ta, W, V and Mo, or a composite selected from at least two of these, or a mixture containing an organic resin substance in the single substance or composite, or a coated substance coated with the single substance or composite, or an antimony-doped tin oxide and/or tin-doped indium oxide, and that an infrared-reflective film that selectively reflects a near-infrared ray and has a sheet resistivity ranging from $1\text{k}\Omega/\square$ to $10\text{G}\Omega/\square$ is formed on at least one surface of the interlayer film.

2. In a laminated glass having an interlayer film between at least two transparent glass platy bodies, the laminated glass being characterized in that an infrared-reflective film that selectively reflects a near-infrared ray and has a sheet resistivity ranging from $1\text{k}\Omega/\square$ to $10\text{G}\Omega/\square$ is formed on at least one transparent glass platy body constituting the laminated glass, and that functional ultra-fine particles of a particle diameter of not greater than $0.2\mu\text{m}$ are dispersed in the interlayer film, that the functional ultra-fine particles comprise a single substance of metal, oxide, nitride, sulfide or Sb- or F-doped substance of Sn, Ti, Si, Zn, Zr, Fe, Al, Cr, Co, Ce, In, Ni, Ag, Cu, Pt, Mn, Ta, W, V and Mo, or a composite selected from at least two of these, or a mixture containing an organic resin substance in the single substance or composite, or a coated substance coated with the single substance or composite, or an antimony-doped tin oxide and/or tin-doped indium oxide.

3. A laminated glass according to claim 1, which is characterized in that the infrared ray reflective film is a film constructed by a periodical lamination of a low-refractive-index layer and a high-refractive-index layer.
- 5 4. A laminated glass according to claim 1, which is characterized in that the infrared ray reflective film is a single layer and an alternately laminated one of a metal, oxide or nitride having absorption and reflection in infrared region.
- 10 5. A laminated glass according to one of claims 1 to 3, which is characterized in that the infrared ray reflective film has a sheet resistivity value of not less than $1\text{k}\Omega/\square$, and which is used for an architectural window.
- 15 6. A laminated glass according to claims 1 to 3, which is characterized in that the infrared ray reflective film has a sheet resistivity value of $20\text{k}\Omega/\square$, and which is used for a vehicular window.